

**WASHINGTON STATE DEPARTMENT OF HEALTH  
OFFICE OF FOOD SAFETY AND SHELLFISH PROGRAMS**

**ANNUAL GROWING AREA REVIEW**

**PREPARED BY:** Donald Melvin, Environmental Specialist

**AREA:** Oak Bay

**YEAR ENDING:** December 31, 2005

**CLASSIFICATION:** Approved

**ACTIVITIES IN THE GROWING AREA IN 2005:**

Samples were collected from each station in the growing area 6 times during the year using the systematic random sampling method. DOH completed a routine survey of the shoreline and uplands around the Oak Bay shellfish area. Fifty-one developed parcels were evaluated. No direct or indirect impacts were identified.

**ANALYTICAL RESULTS OF WATER SAMPLES:**

Table #1 summarizes the results of all samples collected from the area. This summary shows that all stations in the area pass the NSSP water quality standard.

**CHANGE IN ACTUAL POLLUTION SOURCES THAT IMPACT THE GROWING AREA:**

We currently have no information indicating that the area has new sources of pollution.

**CLASSIFICATION STATUS:**

- ☒ Well within the classification standards
- ☐ Meets standards but some concerns
- ☐ Meets standards but threatened with a downgrade in classification
- ☐ Fails to meet classification standards

**REMARKS AND RECOMMENDATIONS:**

Table #1 shows that all stations meet the NSSP water quality standards for approved classification and the area the area is correctly classified.

**TABLE 1****SUMMARY OF MARINE WATER DATA (SRS)**Growing Area: **OAK BAY**Classification: **Approved,Unclassified**From **01/10/2001** To **11/22/2005****FECAL COLIFORM ORGANISMS/100 ML**

<b>Station Number</b>	<b>Classification</b>	<b>Number of Samples</b>	<b>Range</b>	<b>Geometric Mean</b>	<b>Est. 90th Percentile</b>	<b>Meets Std.</b>
<b>1</b>	<b>Approved</b>	<b>30</b>	<b>1.7 - 8.3</b>	<b>1.8</b>	<b>2.0</b>	<b>Yes</b>
<b>2</b>	<b>Approved</b>	<b>31</b>	<b>1.7 - 4.5</b>	<b>1.8</b>	<b>2.0</b>	<b>Yes</b>
<b>3</b>	<b>Approved</b>	<b>30</b>	<b>1.7 - 7.8</b>	<b>1.8</b>	<b>2.0</b>	<b>Yes</b>
<b>4</b>	<b>Approved</b>	<b>30</b>	<b>1.7 - 2.0</b>	<b>1.7</b>	<b>1.0</b>	<b>Yes</b>
<b>5</b>	<b>Approved</b>	<b>30</b>	<b>1.6 - 2.0</b>	<b>1.7</b>	<b>1.0</b>	<b>Yes</b>
<b>6</b>	<b>Approved</b>	<b>30</b>	<b>1.7 - 2.0</b>	<b>1.7</b>	<b>1.0</b>	<b>Yes</b>
<b>7</b>	<b>Approved</b>	<b>30</b>	<b>1.7 - 7.8</b>	<b>1.8</b>	<b>2.0</b>	<b>Yes</b>
<b>8</b>	<b>Approved</b>	<b>30</b>	<b>1.7 - 4.5</b>	<b>1.7</b>	<b>2.0</b>	<b>Yes</b>
<b>173</b>	<b>Unclassified</b>	<b>20</b>	<b>1.7 - 4.5</b>	<b>1.8</b>	<b>2.0</b>	<b>*N/A</b>

All tides information is presented

The standard for approved shellfish growing waters is fecal coliform geometric mean not greater than 14 organisms/100 ml and an estimate of the 90th percentile not greater than 43 organisms/100 ml. The above table shows bacteriological results in relation to program standards.

\* N/A - SRS criteria require a minimum of 30 samples from each station. \*



